

SEQ List.ST25.txt  
SEQUENCE LISTING

<110> Johnson & Johnson Pharmaceutical Research and development

<120> HUMAN CYCLOOXYGENASE-3 AND USES THEREOF

<130> PRD-

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 24

<212> DNA

<213> Primer

<400> 1

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<210> 2

<211> 25

<212> DNA

<213> primer

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<211> 93

<212> DNA

<213> Homo sapiens

<400> 3

tgagtgcgac cccggtgccc ggtggggaat tttcttgccc tcttggtgga gccttgaatg

60

ccagctcagc cctcatctc tctcctctgc agg

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<212> PRT

<213> Homo sapiens

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Glu Cys Asp Pro Gly Ala Arg Trp Gly Ile Phe Leu Ala Ser Trp Trp  
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Ser Leu Glu Cys Gln Leu Ser Pro Ser Ser Leu Ser Ser Ala Gly  
20 25 30

<210> 5

<211> 93

<212> DNA

<213> Homo sapiens

<400> 5

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SEQ List.ST25.txt

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<210> 6  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 6

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1 5 10 15

Ala Leu Asn Ala Arg Leu Ser Pro Ser Ser Leu Ser Ser Ala Gly  
20 25 30

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<400> 7  
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SEQ List.ST25.txt

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<210> 9  
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 <212> PRT  
 <213> Homo sapiens

<400> 9

Met Ser Arg Glu Cys Asp Pro Gly Ala Arg Trp Gly Ile Phe Leu Ala  
 1 5 10 15

Ser Trp Trp Ser Leu Glu Cys Gln Leu Ser Pro Ser Ser Leu Ser Ser  
 20 25 30

Ala Gly Ser Leu Leu Leu Trp Phe Leu Leu Phe Leu Leu Leu Leu Pro  
 35 40 45

Pro Leu Pro Val Leu Leu Ala Asp Pro Gly Ala Pro Thr Pro Val Asn  
 50 55 60

Pro Cys Cys Tyr Tyr Pro Cys Gln His Gln Gly Ile Cys Val Arg Phe  
 65 70 75 80

SEQ List.ST25.txt

Gly Leu Asp Arg Tyr Gln Cys Asp Cys Thr Arg Thr Gly Tyr Ser Gly  
85 90 95

Pro Asn Cys Thr Ile Pro Gly Leu Trp Thr Trp Leu Arg Asn Ser Leu  
100 105 110

Arg Pro Ser Pro Ser Phe Thr His Phe Leu Leu Thr His Gly Arg Trp  
115 120 125

Phe Trp Glu Phe Val Asn Ala Thr Phe Ile Arg Glu Met Leu Met Arg  
130 135 140

Leu Val Leu Thr Val Arg Ser Asn Leu Ile Pro Ser Pro Pro Thr Tyr  
145 150 155 160

Asn Ser Ala His Asp Tyr Ile Ser Trp Glu Ser Phe Ser Asn Val Ser  
165 170 175

Tyr Tyr Thr Arg Ile Leu Pro Ser Val Pro Lys Asp Cys Pro Thr Pro  
180 185 190

Met Gly Thr Lys Gly Lys Lys Gln Leu Pro Asp Ala Gln Leu Leu Ala  
195 200 205

Arg Arg Phe Leu Leu Arg Arg Lys Phe Ile Pro Asp Pro Gln Gly Thr  
210 215 220

Asn Leu Met Phe Ala Phe Phe Ala Gln His Phe Thr His Gln Phe Phe  
225 230 235 240

Lys Thr Ser Gly Lys Met Gly Pro Gly Phe Thr Lys Ala Leu Gly His  
245 250 255

Gly Val Asp Leu Gly His Ile Tyr Gly Asp Asn Leu Glu Arg Gln Tyr  
260 265 270

Gln Leu Arg Leu Phe Lys Asp Gly Lys Leu Lys Tyr Gln Val Leu Asp  
275 280 285

Gly Glu Met Tyr Pro Pro Ser Val Glu Glu Ala Pro Val Leu Met His  
290 295 300

Tyr Pro Arg Gly Ile Pro Pro Gln Ser Gln Met Ala Val Gly Gln Glu  
305 310 315 320

Val Phe Gly Leu Leu Pro Gly Leu Met Leu Tyr Ala Thr Leu Trp Leu  
325 330 335

SEQ List.ST25.txt

Arg Glu His Asn Arg Val Cys Asp Leu Leu Lys Ala Glu His Pro Thr  
340 345 350

Trp Gly Asp Glu Gln Leu Phe Gln Thr Thr Arg Leu Ile Leu Ile Gly  
355 360 365

Glu Thr Ile Lys Ile Val Ile Glu Glu Tyr Val Gln Gln Leu Ser Gly  
370 375 380

Tyr Phe Leu Gln Leu Lys Phe Asp Pro Glu Leu Leu Phe Gly Val Gln  
385 390 395 400

Phe Gln Tyr Arg Asn Arg Ile Ala Met Glu Phe Asn His Leu Tyr His  
405 410 415

Trp His Pro Leu Met Pro Asp Ser Phe Lys Val Gly Ser Gln Glu Tyr  
420 425 430

Ser Tyr Glu Gln Phe Leu Phe Asn Thr Ser Met Leu Val Asp Tyr Gly  
435 440 445

Val Glu Ala Leu Val Asp Ala Phe Ser Arg Gln Ile Ala Gly Arg Ile  
450 455 460

Gly Gly Gly Arg Asn Met Asp His His Ile Leu His Val Ala Val Asp  
465 470 475 480

Val Ile Arg Glu Ser Arg Glu Met Arg Leu Gln Pro Phe Asn Glu Tyr  
485 490 495

Arg Lys Arg Phe Gly Met Lys Pro Tyr Thr Ser Phe Gln Glu Leu Val  
500 505 510

Gly Glu Lys Glu Met Ala Ala Glu Leu Glu Glu Leu Tyr Gly Asp Ile  
515 520 525

Asp Ala Leu Glu Phe Tyr Pro Gly Leu Leu Leu Glu Lys Cys His Pro  
530 535 540

Asn Ser Ile Phe Gly Glu Ser Met Ile Glu Ile Gly Ala Pro Phe Ser  
545 550 555 560

Leu Lys Gly Leu Leu Gly Asn Pro Ile Cys Ser Pro Glu Tyr Trp Lys  
565 570 575

Pro Ser Thr Phe Gly Gly Glu Val Gly Phe Asn Ile Val Lys Thr Ala  
580 585 590

SEQ List.ST25.txt

Thr Leu Lys Lys Leu Val Cys Leu Asn Thr Lys Thr Cys Pro Tyr Val  
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Arg Pro Ser Thr Glu Leu  
625 630

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<211> 1860  
<212> DNA  
<213> Homo sapiens

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cgtgtgtgtg acctgctgaa ggctgagcac cccacctggg gcgatgagca gcttttccag 1080  
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cagctgagtg gctatttcct gcagctgaaa tttgacctag agctgctgtt cgggtgtccag 1200  
ttccaatacc gcaaccgat tgccatggag ttcaaccatc tctaccactg gcacccctc 1260  
atgcctgact ctttcaaggt gggctcccag gaggtagct acgagcagtt cttgttcaac 1320

SEQ List.ST25.txt

acctccatgt tgggtggacta tgggggttgag gccctggtgg atgccttctc tcgccagatt 1380  
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gtcatcaggg agtctcggga gatgcggctg cagcccttca atgagtaccg caagagggtt 1500  
ggcatgaaac cctacacctc cttccaggag ctctgaggag agaaggagat ggcagcagag 1560  
ttggaggaat tgtatggaga cattgatgcg ttggagttct accctggact gcttcttgaa 1620  
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<210> 11  
<211> 630  
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<213> Homo sapiens

<400> 11

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1 5 10 15

Ser Gly Gly Ala Leu Asn Ala Arg Leu Ser Pro Ser Ser Leu Ser Ser  
20 25 30

Ala Gly Ser Leu Leu Leu Trp Phe Leu Leu Phe Leu Leu Leu Pro  
35 40 45

Pro Leu Pro Val Leu Leu Ala Asp Pro Gly Ala Pro Thr Pro Val Asn  
50 55 60

Pro Cys Cys Tyr Tyr Pro Cys Gln His Gln Gly Ile Cys Val Arg Phe  
65 70 75 80

Gly Leu Asp Arg Tyr Gln Cys Asp Cys Thr Arg Thr Gly Tyr Ser Gly  
85 90 95

Pro Asn Cys Thr Ile Pro Gly Leu Trp Thr Trp Leu Arg Asn Ser Leu  
100 105 110

Arg Pro Ser Pro Ser Phe Thr His Phe Leu Leu Thr His Gly Arg Trp  
115 120 125

Phe Trp Glu Phe Val Asn Ala Thr Phe Ile Arg Glu Met Leu Met Arg  
130 135 140

SEQ List.ST25.txt

Leu Val Leu Thr Val Arg Ser Asn Leu Ile Pro Ser Pro Pro Thr Tyr  
 145 150 155 160  
 Asn Ser Ala His Asp Tyr Ile Ser Trp Glu Ser Phe Ser Asn Val Ser  
 165 170 175  
 Tyr Tyr Thr Arg Ile Leu Pro Ser Val Pro Lys Asp Cys Pro Thr Pro  
 180 185 190  
 Met Gly Thr Lys Gly Lys Lys Gln Leu Pro Asp Ala Gln Leu Leu Ala  
 195 200 205  
 Arg Arg Phe Leu Leu Arg Arg Lys Phe Ile Pro Asp Pro Gln Gly Thr  
 210 215 220  
 Asn Leu Met Phe Ala Phe Phe Ala Gln His Phe Thr His Gln Phe Phe  
 225 230 235 240  
 Lys Thr Ser Gly Lys Met Gly Pro Gly Phe Thr Lys Ala Leu Gly His  
 245 250 255  
 Gly Val Asp Leu Gly His Ile Tyr Gly Asp Asn Leu Glu Arg Gln Tyr  
 260 265 270  
 Gln Leu Arg Leu Phe Lys Asp Gly Lys Leu Lys Tyr Gln Val Leu Asp  
 275 280 285  
 Gly Glu Met Tyr Pro Pro Ser Val Glu Glu Ala Pro Val Leu Met His  
 290 295 300  
 Tyr Pro Arg Gly Ile Pro Pro Gln Ser Gln Met Ala Val Gly Gln Glu  
 305 310 315 320  
 Val Phe Gly Leu Leu Pro Gly Leu Met Leu Tyr Ala Thr Leu Trp Leu  
 325 330 335  
 Arg Glu His Asn Arg Val Cys Asp Leu Leu Lys Ala Glu His Pro Thr  
 340 345 350  
 Trp Gly Asp Glu Gln Leu Phe Gln Thr Thr Arg Leu Ile Leu Ile Gly  
 355 360 365  
 Glu Thr Ile Lys Ile Val Ile Glu Glu Tyr Val Gln Gln Leu Ser Gly  
 370 375 380  
 Tyr Phe Leu Gln Leu Lys Phe Asp Pro Glu Leu Leu Phe Gly Val Gln  
 385 390 395 400



SEQ List.ST25.txt

Phe Gln Tyr Arg Asn Arg Ile Ala Met Glu Phe Asn His Leu Tyr His  
405 410 415

Trp His Pro Leu Met Pro Asp Ser Phe Lys Val Gly Ser Gln Glu Tyr  
420 425 430

Ser Tyr Glu Gln Phe Leu Phe Asn Thr Ser Met Leu Val Asp Tyr Gly  
435 440 445

Val Glu Ala Leu Val Asp Ala Phe Ser Arg Gln Ile Ala Gly Arg Ile  
450 455 460

Gly Gly Gly Arg Asn Met Asp His His Ile Leu His Val Ala Val Asp  
465 470 475 480

Val Ile Arg Glu Ser Arg Glu Met Arg Leu Gln Pro Phe Asn Glu Tyr  
485 490 495

Arg Lys Arg Phe Gly Met Lys Pro Tyr Thr Ser Phe Gln Glu Leu Val  
500 505 510

Gly Glu Lys Glu Met Ala Ala Glu Leu Glu Glu Leu Tyr Gly Asp Ile  
515 520 525

Asp Ala Leu Glu Phe Tyr Pro Gly Leu Leu Leu Glu Lys Cys His Pro  
530 535 540

Asn Ser Ile Phe Gly Glu Ser Met Ile Glu Ile Gly Ala Pro Phe Ser  
545 550 555 560

Leu Lys Gly Leu Leu Gly Asn Pro Ile Cys Ser Pro Glu Tyr Trp Lys  
565 570 575

Pro Ser Thr Phe Gly Gly Glu Val Gly Phe Asn Ile Val Lys Thr Ala  
580 585 590

Thr Leu Lys Lys Leu Val Cys Leu Asn Thr Lys Thr Cys Pro Tyr Val  
595 600 605

Ser Phe Arg Val Pro Asp Ala Ser Gln Asp Asp Gly Pro Ala Val Glu  
610 615 620

Arg Pro Ser Thr Glu Leu  
625 630

<210> 12  
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SEQ List.ST25.txt

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<210> 13  
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<212> DNA  
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<210> 14  
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<212> DNA  
<213> primer

<400> 14  
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<210> 15  
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<212> PRT  
<213> oligopeptide

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